

PROPOSAL FOR CONTINUATION OF  
THE STANFORD ARTIFICIAL INTELLIGENCE PROJECT

JOHN MCCARTHY, Professor of Computer Science  
Principal Investigator

ARTHUR SAMUEL, Senior Research Associate in Computer Science  
Associate Investigator

and

THE HEURISTIC DENDRAL PROJECT

EDWARD FEIGENBAUM, Professor of Computer Science  
Co-Principal Investigator

JOSHUA LEDERBERG, Professor of Genetics  
Co-Principal Investigator

ARPA SD-183  
JUNE 1969



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#### ABSTRACT

\$1,975,859 is requested to continue research in artificial intelligence and related theoretical work in computer science for an eighteen month period beginning 1 January 1970. Principal research objectives are in the areas of representation theory, mathematical theory of computation, machine interaction with the physical world, computer recognition of speech, heuristic search strategies, and models of cognitive processes.

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